

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=10; day=10; hr=10; min=14; sec=5; ms=784;]

=====

Application No: 10575671

Version No: 1.0

Input Set:

Output Set:

Started: 2008-09-09 15:28:51.416

Finished: 2008-09-09 15:28:54.162

Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 746 ms

Total Warnings: 9

Total Errors: 0

No. of SeqIDs Defined: 300

Actual SeqID Count: 300

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (167)
W 213	Artificial or Unknown found in <213> in SEQ ID (172)
W 213	Artificial or Unknown found in <213> in SEQ ID (181)
W 213	Artificial or Unknown found in <213> in SEQ ID (188)
W 213	Artificial or Unknown found in <213> in SEQ ID (197)
W 213	Artificial or Unknown found in <213> in SEQ ID (205)
W 213	Artificial or Unknown found in <213> in SEQ ID (211)
W 213	Artificial or Unknown found in <213> in SEQ ID (220)
W 213	Artificial or Unknown found in <213> in SEQ ID (229)

SEQUENCE LISTING

<110> MESSMER, Bradley T
 CHIORAZZI, Nicholas
 ALBESIANO, Emilia

<120> METHODS AND COMPOSITIONS FOR DIAGNOSIS AND TREATMENT OF B CELL
 CHRONIC LYMPHOCYTIC LEUKEMIA

<130> 50425/245

<140> 10575671

<141> 2008-09-09

<150> US 10/575,671 (US Natl Phase of PCT/US2004/033176)

<151> 2004-10-08

<150> US 60/509,473

<151> 2003-10-08

<160> 300

<170> PatentIn version 3.3

<210> 1

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (4)..(4)

<223> X = His or Gln

<400> 1

Cys Ala Arg Xaa

1

<210> 2

<211> 11

<212> DNA

<213> Homo sapiens

<400> 2

tgtgcgagac a

11

<210> 3

<211> 7

<212> PRT

<213> Homo sapiens

<400> 3

Gly Tyr Ser Ser Ser Trp Tyr
1 5

<210> 4
<211> 21
<212> DNA
<213> Homo sapiens

<400> 4
gggtatagca gcagctggta c 21

<210> 5
<211> 4
<212> PRT
<213> Homo sapiens

<400> 5

Asn Trp Phe Asp
1

<210> 6
<211> 12
<212> DNA
<213> Homo sapiens

<400> 6
aactggttcg ac 12

<210> 7
<211> 18
<212> PRT
<213> Homo sapiens

<400> 7

Cys Ala Ser Ser Arg Gly Tyr Ser Ser Ser Trp Trp Ser Ser Asn Trp
1 5 10 15

Phe Asp

<210> 8
<211> 54
<212> DNA
<213> Homo sapiens

<400> 8
tgtgcgagct ccagagggtatagcagcagc tgggtggcat ctaactgggtt cgac 54

<210> 9
<211> 19
<212> PRT
<213> Homo sapiens

<400> 9

Cys Ala Arg His Leu Gly Tyr Ser Ser Ser Trp Tyr Gly Ala Ala Asn
1 5 10 15

Trp Phe Asp

<210> 10
<211> 57
<212> DNA
<213> Homo sapiens

<400> 10
tgtgcgagac atctgggata tagcagcagc tggatatgggg cagccaactg gttcgac 57

<210> 11
<211> 18
<212> PRT
<213> Homo sapiens

<400> 11

Cys Ala Arg Arg Phe Gly Tyr Ser Ser Ser Trp Tyr Gly Leu Asp Trp
1 5 10 15

Phe Asp

<210> 12
<211> 54
<212> DNA
<213> Homo sapiens

<400> 12
tgtgcgagac gggtcgggta tagcagcagc tggtagcggtt tagactgggtt cgac 54

<210> 13
<211> 19
<212> PRT
<213> Homo sapiens

<400> 13

Cys Ala Arg Ser Thr Gly Ala Ser Ser Ser Trp Tyr Ser Trp Arg Asn
1 5 10 15

Trp Phe Asp

<210> 14
<211> 57
<212> DNA
<213> Homo sapiens

<400> 14
tgtgcgaggt cgaccgggta tagcagcagc tggctactctt ggcgcaattg gttcgac 57

<210> 15
<211> 19
<212> PRT
<213> Homo sapiens

<400> 15
Cys Ala Arg Gln Ala Gly Tyr Ser Ser Ser Trp Tyr Gly Pro Ser Asn
1 5 10 15

Trp Phe Asp

<210> 16
<211> 57
<212> DNA
<213> Homo sapiens

<400> 16
tgtgcgagac aagctgggta tagcagcagc tggctacggcc cctccaactg gttcgac 57

<210> 17
<211> 18
<212> PRT
<213> Homo sapiens

<400> 17
Cys Ala Arg His Glu Gly Tyr Ser Ser Ser Trp Tyr Arg Ser Asp Trp
1 5 10 15

Phe Asp

<210> 18
<211> 54
<212> DNA

<213> Homo sapiens

<400> 18

tgtgcgagac atgaggggta tagcagcagc tggtagagga gcgactgggtt cgac 54

<210> 19

<211> 4

<212> PRT

<213> Homo sapiens

<400> 19

Cys Ala Arg Gly

1

<210> 20

<211> 11

<212> DNA

<213> Homo sapiens

<400> 20

tgtgcgagag g 11

<210> 21

<211> 6

<212> PRT

<213> Homo sapiens

<400> 21

Val Asp Thr Ala Met Val

1 5

<210> 22

<211> 20

<212> DNA

<213> Homo sapiens

<400> 22

gtggatacag ctatggttac 20

<210> 23

<211> 11

<212> DNA

<213> Homo sapiens

<400> 23

attactacta c 11

<210> 24

<211> 15

<212> PRT
<213> Homo sapiens

<400> 24

Cys	Ala	Arg	Gly	Tyr	Gly	Asp	Thr	Pro	Thr	Ile	Arg	Arg	Tyr	Tyr
1			5					10					15	

<210> 25
<211> 45
<212> DNA
<213> Homo sapiens

<400> 25
tgtgcgagag gatacgggga tacacctacc attagaagat actat 45

<210> 26
<211> 15
<212> PRT
<213> Homo sapiens

<400> 26

Cys	Ala	Arg	Gly	Tyr	Ala	Asp	Thr	Pro	Val	Phe	Arg	Arg	Tyr	Tyr
1			5					10					15	

<210> 27
<211> 45
<212> DNA
<213> Homo sapiens

<400> 27
tgtgcgagag gatatgcgga tactcctgtg tttcggcgct actac 45

<210> 28
<211> 15
<212> PRT
<213> Homo sapiens

<400> 28

Cys	Ala	Arg	Gly	Trp	Gly	Asp	Thr	Pro	Met	Leu	Lys	Arg	Tyr	Tyr
1			5					10					15	

<210> 29
<211> 45
<212> DNA
<213> Homo sapiens

<400> 29
tgtgcgagag gctgggggga tacacctatg cttaaagat actac 45

<210> 30
<211> 15
<212> PRT
<213> Homo sapiens

<400> 30

Cys Ala Arg Ala Tyr Pro Asp Thr Pro Met Val Arg Arg Tyr Tyr
1 5 10 15

<210> 31
<211> 49
<212> DNA
<213> Homo sapiens

<400> 31

tgtgcgagag catacccgga tacacctatg gtcaggaggt actaccarg 49

<210> 32
<211> 15
<212> PRT
<213> Homo sapiens

<400> 32

Cys Ala Arg Gly Phe Pro Asp Thr Asp Val Ile Lys Arg Tyr Tyr
1 5 10 15

<210> 33
<211> 45
<212> DNA
<213> Homo sapiens

<400> 33

tgtgcgagag gcttcccgga tacagatgtg attaagcgct actac 45

<210> 34
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X = Asp or Glu

<400> 34

Cys Ala Arg Xaa
1

<210> 35
<211> 11
<212> DNA
<213> Homo sapiens

<400> 35
tgtgcgagag a

11

<210> 36
<211> 5
<212> PRT
<213> Homo sapiens

<400> 36

Val Gln Trp Leu Val
1 5

<210> 37
<211> 21
<212> DNA
<213> Homo sapiens

<400> 37
gggtatagca gtggctggta c

21

<210> 38
<211> 4
<212> PRT
<213> Homo sapiens

<400> 38

Tyr Phe Asp Tyr
1

<210> 39
<211> 14
<212> DNA
<213> Homo sapiens

<400> 39
actactttga ctac

14

<210> 40
<211> 15
<212> PRT
<213> Homo sapiens

<400> 40

Cys Ala Arg Glu Gln Trp Leu Val Leu Glu His Tyr Phe Asp Tyr
1 5 10 15

<210> 41
<211> 45
<212> DNA
<213> Homo sapiens

<400> 41
tgtgcgaggg agcagtggct ggtacttgag cactactttg actac 45

<210> 42
<211> 14
<212> PRT
<213> Homo sapiens

<400> 42

Cys Ala Arg Val Gln Trp Leu Gly Leu Arg His Phe Asp Tyr
1 5 10

<210> 43
<211> 42
<212> DNA
<213> Homo sapiens

<400> 43
tgtgcgagag tgcagtggct gggcttaaga cactttgact ac 42

<210> 44
<211> 14
<212> PRT
<213> Homo sapiens

<400> 44

Cys Ala Arg Glu Gln Trp Leu Gly Ala Glu Asn Phe Asp Tyr
1 5 10

<210> 45
<211> 42
<212> DNA
<213> Homo sapiens

<400> 45
tgtgcgagag agcagtggct gggcgagaa aactttgact ac 42

<210> 46
<211> 14
<212> PRT
<213> Homo sapiens

<400> 46

Cys Ala Arg Glu Gln Trp Leu Val Leu Lys Asn Phe Asp Tyr
1 5 10

<210> 47

<211> 42

<212> DNA

<213> Homo sapiens

<400> 47

tgtgctgaggg agcagtggct ggtactgaaa aactttgact ac 42

<210> 48

<211> 14

<212> PRT

<213> Homo sapiens

<400> 48

Cys Ala Arg Val Gln Trp Leu Leu Leu Glu Arg Phe Asp Tyr
1 5 10

<210> 49

<211> 42

<212> DNA

<213> Homo sapiens

<400> 49

tgtgctgagag ttcagtgggt attactcgaa cgatttgact ac 42

<210> 50

<211> 14

<212> PRT

<213> Homo sapiens

<400> 50

Cys Ala Arg Asn Gln Trp Leu Gly Leu Asp Tyr Phe Asp Tyr
1 5 10

<210> 51

<211> 42

<212> DNA

<213> Homo sapiens

<400> 51

tgtgctgagaa accagtggct gggctctcgac tactttgact ac 42

<210> 52

<211> 14
<212> PRT
<213> Homo sapiens

<400> 52

Cys Ala Arg Glu Gln Trp Leu Val Arg Thr Ser Phe Asp Tyr
1 5 10

<210> 53
<211> 42
<212> DNA
<213> Homo sapiens

<400> 53
tgtgcgagag agcagtggct ggtaaggacg agctttgact ac 42

<210> 54
<211> 11
<212> DNA
<213> Homo sapiens

<400> 54
actttgacta c 11

<210> 55
<211> 5
<212> PRT
<213> Homo sapiens

<400> 55

Val Gln Trp Leu Val
1 5

<210> 56
<211> 21
<212> DNA
<213> Homo sapiens

<400> 56
gggtatagca gtggctggta c 21

<210> 57
<211> 14
<212> PRT
<213> Homo sapiens

<400> 57

Cys Ala Arg Glu Gln Trp Leu Val Leu Ser Tyr Phe Asp Tyr
1 5 10

<210> 58
<211> 42
<212> DNA
<213> Homo sapiens

<400> 58
tgtgctgaggg agcagtggtt ggtcctatct tactttgact ac 42

<210> 59
<211> 14
<212> PRT
<213> Homo sapiens

<400> 59

Cys Ala Arg Glu Gln Trp Leu Val Leu Asn Tyr Phe Asp Tyr
1 5 10

<210> 60
<211> 42
<212> DNA
<213> Homo sapiens

<400> 60
tgtgctgaggg agcagtggtt ggtacttaac tactttgact ac 42

<210> 61
<211> 14
<212> PRT
<213> Homo sapiens

<400> 61

Cys Ala Arg Glu Gln Trp Leu Ala Leu Lys Pro Phe Asp Tyr
1 5 10

<210> 62
<211> 42
<212> DNA
<213> Homo sapiens

<400> 62
tgtgctgagag agcagtggtt ggccttaaaa ccctttgact ac 42

<210> 63
<211> 15
<212> PRT
<213> Homo sapiens

<400> 63

Cys Ala Arg Lys Gln Trp Leu Ala Ile Val Asn Tyr Phe Asp Tyr
1 5 10 15

<210> 64
<211> 45
<212> DNA
<213> Homo sapiens

<400> 64
tgtgcgagaa agcagtggct ggccatcgtc aactactttg actac 45

<210> 65
<211> 14
<212> PRT
<213> Homo sapiens

<400> 65
Cys Ala Arg Glu Gln Trp Leu Gly Leu Pro Thr Phe Asp Tyr
1 5 10

<210> 66
<211> 42
<212> DNA
<213> Homo sapiens

<400> 66
tgtgcgagag agcagtggct ggggtctacct acctttgact ac 42

<210> 67
<211> 15
<212> PRT
<213> Homo sapiens

<400> 67
Cys Ala Arg Val Gln Trp Leu Gly Leu Thr Gly Pro Asn Asp Tyr
1 5 10 15

<210> 68
<211> 45
<212> DNA
<213> Homo sapiens

<400> 68
tgtgctaggg ttcagtggct gggcctgacg gggccgaatg actac 45

<210> 69
<211> 14
<212> PRT

<213> Homo sapiens

<400> 69

Cys Ala Arg Gly Gln Trp Leu Val Ile Leu Asn Phe Asp Tyr
1 5 10

<210> 70

<211> 42

<212> DNA

<213> Homo sapiens

<400> 70

tgtgcgaggg gacagtggct ggatcacccta aactttgact ac 42

<210> 71

<211> 14

<212> PRT

<213> Homo sapiens

<400> 71

Cys Ala Arg Asp Gln Trp Leu Pro Thr Asn Asn Phe Asp Tyr
1 5 10

<210> 72

<211> 42

<212> DNA

<213> Homo sapiens

<400> 72

tgtgcgagag atcagtggct gccacacgaac aactttgact ac 42

<210> 73

<211> 14

<212> PRT

<213> Homo sapiens

<400> 73

Cys Ala Arg Glu Gln Trp Leu Val Leu Ser His Phe Asp Tyr
1 5 10

<210> 74

<211> 42

<212> DNA

<213> Homo sapiens

<400> 74

tgtgcgaggg agcagtgggt ggtactatct cactttgact ac 42

<210> 75
<211> 11
<212> PRT
<213> Homo sapiens

<400> 75

Tyr Tyr Asp Tyr Val Trp Gly Ser Tyr Arg Tyr
1 5 10

<210> 76
<211> 37
<212> DNA
<213> Homo sapiens

<400> 76

gtattatgat tacgtttggg ggagttatcg ttatacc 37

<210> 77
<211> 5
<212> PRT
<213> Homo sapiens

<400> 77

Asp Ala Phe Asp Ile
1 5

<210> 78
<211> 16
<212> DNA
<213> Homo sapiens

<400> 78

tgatgctttt gatgtc 16

<210> 79
<211> 22
<212> PRT
<213> Homo sapiens

<400> 79

Cys Ala Arg Gly Gly Asp Tyr Asp Tyr Val Trp Gly Ser Tyr Arg Ser
1 5 10 15

Asn Asp Ala Phe Asp Ile
20

<210> 80
<211> 66

<212> DNA
 <213> Homo sapiens

<400> 80
 tgtgcgagag gaggcgatta tgattacgtt tgggggagtt atcgttctaa tgatgctttt 60
 gatatc 66

<210> 81
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 81

Cys Ala Arg Gly Gly Ile Tyr Asp Tyr Val Trp Gly Ser Tyr Arg Pro
 1 5 10 15

Asn Asp Ala Phe Asp Ile
 20

<210> 82
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 82
 tgtgcgagag ggggtattta tgattacgtt tgggggagtt atcgtccgaa tgatgctttt 60
 gatatc 66

<210> 83
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 83

Cys Ala Arg Gly Gly Asn Tyr Asp Tyr Ile Trp Gly Ser Tyr Arg Ser
 1 5 10 15

Asn Asp Ala Phe Asp Ile
 20

<210> 84
 <211> 66
 <212> DNA
 <213> Homo sapiens

<400> 84
 tgtgcgagag gaggcaatta tgattacatt tgggggagtt atcgttccaa tgatgctttt 60

gatatc

66

<210> 85

<211> 22

<212> PRT

<213> Homo sapiens

<400> 85

Cys Ala Arg Gly Gly Asp Tyr Asp Tyr Val Trp Gly Ser Tyr Arg Pro
1 5 10 15

Asn Asp Ala Phe Asp Ile
20

<210> 86

<211> 66

<212> DNA

<213> Homo sapiens

<400> 86

tgtgcgagag ggggggatta tgattacgtt tgggggagtt atcgccgaa tgatgctttt 60

gatatc

66

<210> 87

<211> 22

<212> PRT

<213> Homo sapiens

<400> 87

Cys Ala Arg Gly Gly Asn Tyr Asp Tyr Ile Trp Gly Ser Tyr Arg Ser
1 5 10 15

Asn Asp Ala Phe Asp Ile
20

<210> 88

<211> 66

<212> DNA

<213> Homo sapiens

<400> 88

tgtgcgagag gaggcaatta tgattacatt tgggggagtt atcggtccaa tgatgctttt 60

gatatc

66

<210> 89

<211> 9
<212> PRT
<213> Homo sapiens

<400> 89

Ile Thr Met Val Arg Gly Val Ile Ile
1 5

<210> 90
<211> 31
<212> DNA
<213> Homo sapiens

<400> 90

gtattactat ggttcgggga gttattataa c 31

<210> 91
<211> 11
<212> DNA
<213> Homo sapiens

<400> 91

attactacta c 11

<210> 92
<211> 15
<212> PRT
<213> Homo sapiens

<400> 92

Cys Ala Glu Gly Met Val Gln Gly Val Ile Gly Ile Tyr Tyr Tyr
1 5 10 15

<210> 93
<211> 45
<212> DNA
<213> Homo sapiens

<400> 93

tgtgcggagg gtatggttca gggagttatt ggaatttact actac 45

<210> 94
<211> 15
<212> PRT
<213> Homo sapiens

<400> 94

Cys Ala Arg Ser Met Val Gln Gly Val Ile Asn Val Leu Tyr Tyr
1 5 10 15

<210> 95
<211> 45
<212> DNA
<213> Homo sapiens

<400> 95
tgtgcgaggt ctatggttca gggagttatt aacgtcctct actac 45

<210> 96
<211> 15
<212> PRT
<213> Homo sapiens

<400> 96

Cys Ala Arg Ala Met Val Arg Gly Val Ile His Leu Asp Tyr Tyr
1 5 10 15

<210> 97
<211> 45
<212> DNA
<213> Homo sapiens

<400> 97
tgtgcgaggg ctatggttcg gggagttatt cacttggact actac 45

<210> 98
<211> 15
<212> PRT
<213> Homo sapiens

<400> 98

Cys Ala Arg Val Met Val Arg Gly Val Ile Ser Leu Asp Tyr Tyr
1 5 10 15

<210> 99
<211> 45
<212> DNA
<213> Homo sapiens

<400> 99
tgtgcgagag ttatggttcg gggagttatt tccctggact actac 45

<210> 100
<211> 11
<212> PRT
<213> Homo sapiens

<400> 100

Tyr Tyr Tyr Tyr Tyr Gly Met Asp Val Trp Gly
1 5 10

<210> 101
<211> 35
<212> DNA
<213> Homo sapiens

<400> 101
attactacta ctactacggt atggacgtct ggggc 35

<210> 102
<211> 12
<212> PRT
<213> Homo sapiens

<400> 102

Cys Ala Arg Asp Ala Asn Gly Met Asp Val